

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1-20. (cancelled)

21. (currently amended) An embolism treatment device comprising:

an elongated core wire having a distal end and a proximal end;

a cage assembly including a connected proximal cage and a distal cage, the cage assembly having a distal end, a proximal end, a first deployment shape wherein both the proximal cage and the distal cage are in a deployment configuration, and a second expanded shape wherein both the proximal cage and the distal cage are in an expanded configuration, wherein the second expanded shape is different from the first deployment shape and wherein the cage assembly is substantially coaxial to the elongated core wire;

a tubular member coupled to the distal end of the cage assembly, wherein the tubular member surrounds a distal portion of the core wire; and

an actuator element, having a first position and a second position, located proximally to the cage assembly and substantially coaxial about the core wire, wherein when the actuator element is in the first position, the cage assembly is in the first deployment shape and when the actuator element is in the second position, the cage assembly is in the second expanded shape;

wherein the core wire is freely moveable axially through the cage assembly.

22. (previously presented) The embolism treatment device in claim 21, wherein the tubular member is a bushing.

23. (previously presented) The embolism treatment device in claim 21, wherein the tubular member is a thermoplastic.

24. (previously presented) The embolism treatment device in claim 21, further comprising an inner coil surrounding the elongated core wire within the cage assembly.

25. (previously presented) The embolism treatment device in claim 24, wherein the inner coil is a marker coil.

26. (currently amended) An embolism treatment device comprising:
an elongated core wire having a distal end and a proximal end;
a cage assembly including a connected proximal cage and a distal cage, the cage assembly having a distal end, a proximal end, a first deployment shape, and a second expanded shape wherein both the proximal cage and the distal cage are in an expanded configuration, wherein the second expanded shape is different from the first deployment shape and wherein the cage assembly is substantially coaxial to the elongated core wire;
an inner coil surrounding the core wire within the cage assembly; and
an actuator element, having a first position and a second position, located proximally to the cage assembly and substantially coaxial about the core wire, wherein when the actuator element is in the first position, the cage assembly is in the first deployment shape and when the actuator element is in the second position, the cage assembly is in the second expanded shape.

27. (previously presented) The embolism treatment device in claim 26, wherein the inner coil is a marker coil.

28. (previously presented) The embolism treatment device in claim 26, wherein the inner coil is prevented from passing distally on the core wire.

29. (previously presented) The embolism treatment device in claim 26, further comprising a tubular member coupled to the distal end of the cage assembly and surrounding the core wire.

30. (previously presented) The embolism treatment device in claim 29, wherein the tubular member is firmly placed on the core wire.

31. (previously presented) The embolism treatment device in claim 26, wherein the core wire is freely moveable axially through the cage assembly.

32. (previously presented) The embolism treatment device of claim 21, wherein the distal cage includes a plurality of petal shaped wires.

33. (previously presented) The embolism treatment device of claim 32, wherein the plurality of petal shaped wires has a distal rake.

34. (previously presented) The embolism treatment device of claim 26, wherein the distal cage includes a plurality of petal shaped wires.

35. (previously presented) The embolism treatment device of claim 34, wherein the plurality of petal shaped wires has a distal rake.